

UNITED STATES DEPARTMENT OF COMMERCE

SIMPLIFIED PRACTICE RECOMMENDATION

No. 12

HOLLOW BUILDING TILE

ACCEPTED BY

Societies, Associations, and Groups
Listed on Page 2 of this Report

ISSUED BY THE BUREAU OF STANDARDS

Original Draft; January 1, 1924



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ACCEPTED BY

American Institute of Architects, New York, N. Y.

Associated General Contractors of America, Washington, D. C.

Building Officials Conference, New York, N. Y.

Federal Specifications Board, Washington, D. C.

Hollow Building Tile Association, Chicago, Ill.

Mason Contractors Association of Cleveland, Cleveland, Ohio.

Masters Builders Association, St. Louis, Mo.

National Association of Builders Exchange, Baltimore, Md.

National Association of Real Estate Boards, Chicago, Ill.

National Builders Supply Association, Indianapolis, Ind.

Southeastern Builders Supply Association, Jacksonville, Fla.

PERSONNEL OF CONFERENCE ON HOLLOW BUILDING TILE.

[Held at the Department of Commerce, October 19, 1923.]

BEVIER, P. H., National Fireproofing Co., Flatiron Building, New York, N. Y.
BRADY, WM. G., 439 Treasury Building, Washington, D. C.
CARTWRIGHT, FRANK C., Division of Building and Housing Department of Commerce.
COLWELL, H. R., Division of Simplified Practice, Department of Commerce.
DAILEY, E. W., North Iowa Brick & Tile Co., Mason City, Ia.
DECKMAN, CHARLES G., Medal Brick & Tile Co., Cleveland, Ohio.
DIXON, C. W., Columbus Brick & Tile Co., Columbus, Ga.
DOWNER, H. C., The Malvern Fire Clay Co., Malvern, Ohio.
GINDER, J. W., Federal Specification Board, Treasury Department, Washington, D. C.
GRAHAM, BERT J., Denison Interlocking Tile Corporation, Guardian Building, Cleveland, Ohio.
GREEN, A. L., American Railway Association, Chicago, Ill.
HEALY, JOHN P., Building Officials Conference, 108 Municipal Building, Washington, D. C.
HOLDEN, P. E., Assistant manager, fabricated production department, United States Chamber of Commerce, Washington, D. C.
HUDSON, R. M., Division of Simplified Practice, Department of Commerce.
HUSE, FRANK J., Chief Engineer, Hollow Building Tile Association, Chicago, Ill.
HUTTON, WM. JR., Troy Fireproofing Co., Troy, N. Y.
INGBERG, S. H., American Society for Testing Materials, and National Bureau of Standards, Washington, D. C.
KEASBEY, H. M., National Fire Proofing Co., Fulton Building, Pittsburgh, Pa.
PEACE, T. M., Alfred, N. Y.
ROMMEL, EDWARD, Consolidated Clay Products Co., Canton, Ohio.
SLEEPER, J. S., Secretary, Hollow Building Tile Association, Chicago, Ill.
SNOW, W. A., American Clay Products Co., 175 Fifth Avenue, New York, N. Y.
STRAIGHT, H. R., Adel Clay Products Co., Adel, Ia.
STURTEVANT, E. R., Fraser Brick Co., Dallas, Tex.
THOMAS, H. B., National Fire Proofing Co., 949 Broadway, New York, N. Y.
WALLACE, R. G., National Fireproofing Co., Fulton Building, Pittsburgh, Pa.
WHITACRE, J. B., Whitacre-Greer Fireproofing Co., Waynesburg, Ohio.
WILSON, WM. E., Mason City Brick & Tile Co., Mason City Ia.
WRIGHT, FRANCIS H., Hay-Walker Brick Co., 52 Vanderbilt Avenue, Pittsburgh, Pa.
YEPPSEN, V. L., Anness and Potter Fire Clay Co., Woodridge, N. J.

SIMPLIFIED PRACTICE RECOMMENDATION NO. 12.

HOLLOW BUILDING TILE.

In accordance with the unanimous action of the joint conference of representatives of manufacturers, distributors, and users named on page 3, the United States Department of Commerce, through the Bureau of Standards, recommends that the number of sizes of hollow building tile be reduced to the following:

TABLE 1.
STANDARD LOAD-BEARING WALL TILE.

	Number of cells.	Weight, each.
		Pounds.
End construction:		
3¾ by 12 by 12.....	3	20
6 by 12 by 12.....	6	30
8 by 12 by 12.....	6	36
10 by 12 by 12.....	6	42
12 by 12 by 12.....	6	48
Side construction:		
3¾ by 5 by 12.....	1	9
8 by 5 by 12.....	2	16
8 by 5 by 12 ("L" shaped).....		16
8 by 6¼ by 12 ("T" shaped).....	4	16
8 by 7¾ by 12 (square).....	6	24
8 by 10¼ by 12 ("H" shaped).....	7	32

STANDARD PARTITION TILE.

3 by 12 by 12.....	3	15
4 by 12 by 12.....	3	16
6 by 12 by 12.....	3	22
8 by 12 by 12.....	4	30
10 by 12 by 12.....	4	36
12 by 12 by 12.....	4	40

STANDARD SPLIT FURRING TILE.

2 by 12 by 12.....		9
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STANDARD BOOK TILE.

3 by 12 by 18 to 24.....		Pound per square foot. 18
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Not more than 5 per cent tolerance over or under allowable for weights and 3 per cent over or under for dimensions covering length, width, and height.

GEORGE K. BURGESS,
Director, Bureau of Standards.

APPROVED January 1, 1924, subject to regular annual revision by similar conference.

HERBERT HOOVER,
Secretary of Commerce.

The increasing tendency on the part of manufacturers to supply commodities in a large measure through the use of hollow building the group meeting with distributors and users of this material for the purpose of recommending a simplified line of sizes and weights of hollow building the

The cooperative services of the division of simplified practice available to all American industries in the elimination of waste were requested by the manufacturers of the community at a preliminary conference held at the Department of Commerce on June 10, 1923. Data supplied in response to a survey conducted by the standards committee of the Hollow Building The Association disclosed the usual variations in sizes and weights of the as generally exists in commodities of allied industries.

Thirty-six different sizes, each made in a wide variety of weights, showed the prevailing uneconomic policy in production and the preliminary conference asked that a general conference be called with properly accredited representatives of the distributing and consuming groups. On October 10, 1923, this general conference was held, and a detailed discussion by representatives of the three groups interested led up to the unanimous adoption of various of the as shown in Table 1 on page 4 of this pamphlet.

It was understood that the last four units of the as listed under "Standard Partition Tile" should remain in this classification until a course of tests now in process at the Bureau of Standards should determine whether they would be classed as floor tile or standard weights.

The conference offered the recommendation to become effective January 1, 1924, and be subject to revision one year from that date, the simplification thus to be kept abreast of advances in practice, while it progressively eliminates the waste of needless or obsolescent varieties.

SUMMARY OF CONFERENCE.

The increasing tendency on the part of manufacturers of building materials to secure the advantages obtainable through the application of the principles of simplified practice to their individual commodities was, in a large measure, responsible for the hollow building tile group meeting with distributors and users of this material for the purpose of recommending a simplified line of sizes and weights of hollow building tile.

The cooperative services of the division of simplified practice available to all American industries in the elimination of waste were requested by the manufacturers of the commodity at a preliminary conference held at the Department of Commerce on June 19, 1923. Data supplied in response to a survey conducted by the standards committee of the Hollow Building Tile Association, disclosed the usual variations in sizes and weights of tile, as generally exists in commodities of allied industries.

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It was understood that the last four units of tile as listed under "Standard Partition Tile" should remain in this classification until a course of tests now in process at the Bureau of Standards should determine whether they would be classed as floor tile of standard weights.

The conference offered the recommendation to become effective January 1, 1924, and be subject to revision one year from that date, the simplification thus to be kept abreast of advances in practice, while it progressively eliminates the waste of needless or obsolescent varieties.





